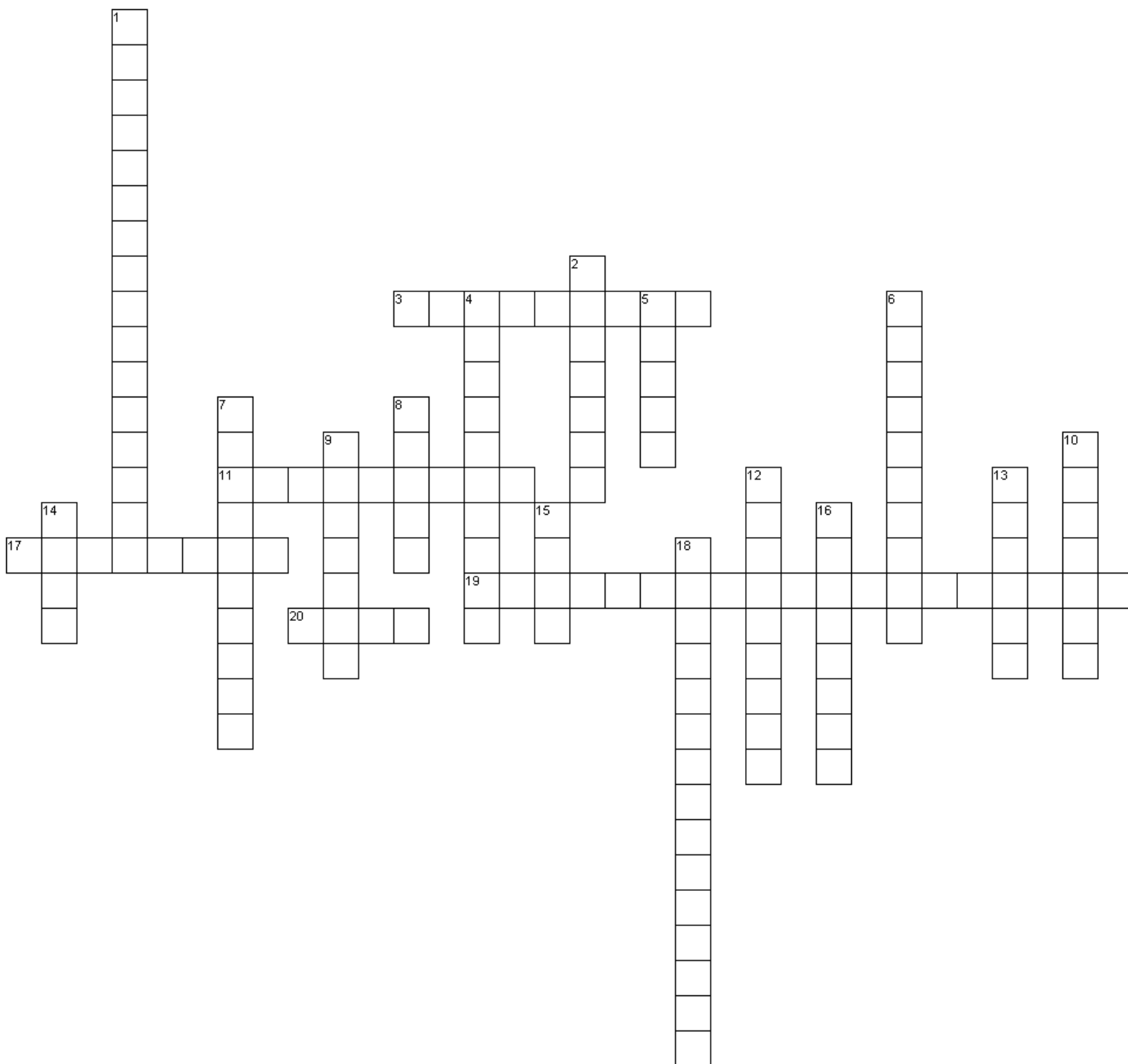


Crossword Puzzle

Oak Ridge Reservation



Across

3. A major contaminated groundwater plume at ORNL containing the radionuclides uranium and strontium.
11. The in situ bioremediation that allow biological agents to treat contaminated groundwater without extraction or excavation.
17. The type of uranium enrichment process occurring at Y-12 in 1943.
19. The process of subleasing property and facilities at East Tennessee Technology Park to private industry.
20. The internationally renowned research facility with an ongoing mission located on the Oak Ridge Reservation.

Down

1. The process used to enrich uranium at K-25 (East Tennessee Technology Park).
2. The name of the industrial center adjacent to the Heritage Center; located on non-contaminated land.
4. A facility that stores something, Y-12 serves as the facility to store supplies of enriched uranium.
5. An acronym for an onsite disposal cell (landfill) for CERCLA waste; Environmental Management Waste Management Facility.
6. The war in which the Manhattan Project was undertaken to produce the atomic bomb.
7. An isotope used in atomic weapons.
8. Community Reuse Organization of East Tennessee recruits businesses to the Oak Ridge area and leases property from DOE.
9. The reduction of this element in Y-12 plant effluents has resulted in a 90 per cent reduction in the release of this element to Upper East Fork Poplar Creek.
10. The ongoing mission of Y-12 involves the inspection, disassembly, testing, repair and management of these nuclear items.
12. Environmental Management program handles the contamination in three geographic areas at Y-12: Upper East Fork Poplar Creek, Chestnut Ridge and this valley.
13. One of two valleys (the other valley is Bethel Valley) located at ORNL and are sites of environmental cleanup.
14. Multi-layered cover designed to isolate the waste stored underneath and prevent leaching of contaminants.
15. Many thousands of cubic yards of this component of the environment will be removed and disposed of at Oak Ridge Reservation landfills.
16. The reactor at ORNL that has been designated as a National Historical Landmark.
18. The only U.S. facility permitted to incinerate certain radioactive and/or hazardous wastes.

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WORD LIST: Corehole 8, Anaerobic, Magnetic, TSCA Incinerator, Graphite, Weapons, Bear Creek, Reindustrialization, ORNL (Oak Ridge National Laboratory), Gaseous diffusion, Soils, Horizon, Repository, EMWMF (Environmental Management Waste Management Facility), Cap, Melton, WWII (World War II), Uranium-235, CROET (Community Reorganization of East Tennessee), Mercury